

# Safety Data Sheet

Issued Date: November 12, 2015

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Version 1

## 1. IDENTIFICATION

**Product Identifier**

Product Name Grn-636B H.E. Liquid Laundry Detergent

**Other means of identification**

Product Code Grn-636B

**Recommended use of the chemical and restrictions on use**

Recommended Use Liquid laundry detergent for high efficiency or household type washing machines.

**Details of the supplier of the safety data sheet**

Missouri Vocational Enterprises  
 2727 Highway K  
 Bonne Terre, MO 63628  
 Phone: (573) 358-5516

**Emergency Telephone Number**

INFOTRAC 1-800-535-5053 (North America)  
 1-352-323-3500 (International)

## 2. HAZARDOUS IDENTIFICATION

Signal Word **WARNING**

Classification	Hazard Category
Skin - Corrosion/Irritation	1A
Serious Eye Damage/Irritation	1
Specific Target Organ Toxicity - Single Exposure	3

**Health Hazard Statement(s)**

H315 – Causes skin irritation  
 H317 – May cause an allergic skin reaction.  
 H318 – Causes serious eye damage.  
 H319 – Causes serious eye irritation.  
 H335 – May cause respiratory irritation.

**Hazard Pictogram(s)**



**Hazard Ratings**

	HMIS	NFPA
Health	2	2
Flammability	0	0
Reactivity	0	0
PPE	X	N/A

**Precautionary Statement(s)**

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P264 – Wash face, hands and any exposed skin thoroughly after handling.  
 P271 – Use only outdoors or in a well-ventilated area.  
 P280 – Wear protective gloves/protective clothing/ eye protection/face protection.  
 P301+P330+P331 – IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.  
 P303+P361+P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P312 – Call a POISON CENTER or doctor/physician if you feel unwell.

P363 – Wash contaminated clothing before reuse.

P403+P233 – Store in a well-ventilated place. Keep container tightly closed.

P501 – Dispose of contents/container in accordance with local, regional, national, and international regulations.

#### Potential Health Effects

<b>Skin Contact</b>	May cause severe skin burns.
<b>Eye Contact</b>	May cause severe eye damage.
<b>Inhalation</b>	May cause respiratory irritation.
<b>Ingestion</b>	May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name/Pure Substance	CAS #	Weight-%
Water	7732-18-5	70-75
Acrymal S-1450	Proprietary	20-25
Sodium Carbonate	497-19-8	0-2
Citric Acid	77-92-9	0-2
Sodium Hydroxide Beads	1310-73-2	0-1
Kelzan ASX-T	11138-66-2	0-1
Isocil IG	Proprietary	0-1

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

<b>General Advice</b>	If you feel unwell, seek medical advice (show label where possible).
<b>Eye Contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
<b>Skin Contact</b>	Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Ingestion</b>	Rinse mouth. Give 2-4 glasses of water. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

#### Most important symptoms and effects

<b>Symptoms</b>	Symptoms may include stinging, tearing, redness, swelling, blurred vision, skin irritation, and pain.
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### 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

Suitable Extinguishing Media: Water fog, foam, dry chemical powder, or Carbon Dioxide

Unsuitable Extinguishing Media: Water jet.

#### Specific Hazards Arising from the Chemical

Heating or fire can release gases or fumes which could be hazardous to health.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

**Personal precautions** Keep unnecessary personnel away. Use personal protective equipment as required.

**Environmental precautions** See Section 12 for additional ecological information.

Methods and material for containment and clean up

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Dike the spilled material, where this is possible.

**Methods for Clean up** After the spilled material is contained, absorb in vermiculite, dry sand, or earth. Keep in suitable, closed containers for disposal. Clean surface thoroughly to remove residual contamination.

**7. HANDLING AND STORAGE**

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use only in well ventilated areas. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Do not store in direct sunlight.

**Incompatible Materials** See section 10 of this SDS.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
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Appropriate engineering controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Government agencies exposure limits take precedence over the exposure limits expressed on this SDS where applicable.

Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Wear approved safety glasses.

**Skin and Body Protection** Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Do not eat, drink, or smoke when using this product. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance

**Physical State** Liquid **Odor** Clean Breeze  
**Color** Blue **Odor Threshold** Not Determined

**Property** Values Remarks - Method

**pH** 9  
**Melting Point/Freezing Point** Not available

<b>Boiling Point/Boiling Range</b>	Not available
<b>Flash Point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flammability (Solid, Gas)</b>	Liquid- Not applicable
<b>Upper Flammability Limits</b>	Not available
<b>Lower Flammability Limits</b>	Not available
<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available
<b>Specific Gravity</b>	1.03
<b>Water Solubility</b>	Complete
<b>Solubility in other solvents</b>	Not available
<b>Partition Coefficient</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Explosive Properties</b>	Not available
<b>Oxidizing Properties</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not reactive under normal conditions.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid</b>	Keep out of reach of children.
<b>Incompatible materials</b>	Strong acids, strong oxidizing agents, and amines.
<b>Hazardous Decomposition Products</b>	Carbon oxides, sodium oxides, sulfur oxides, and hydrogen chloride gas
<b>Hazardous Polymerization</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Mixture Toxicity</b>	Toxicological data have not been determined specifically for this product.
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## 12. ECOLOGICAL INFORMATION

<b>Ectotoxicity</b>	Ecological studies have not been carried out on this product.
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## 13. DISPOSAL CONSIDERATIONS

<b>Disposal Instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways, or ditches with chemical or used container. Dispose of in accordance with local, regional, national, and international laws and regulations.
<b>Hazardous Waste Code</b>	Not available.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
<b>Contaminated Packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. TRANSPORT INFORMATION

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT I.D. Number	Not available.
DOT Proper Shipping Name	Not available.
DOT Hazard Classes:	
US DOT	Not available.
Road (ADR)	Not available.
Air (ICAO/IMDG)	Not available.
Sea (IMO/IMDG)	Not available.
Packing Group	Not available.
DOT Label	Not available.

## 15. REGULATORY INFORMATION

**U.S. Federal Regulations**

Contents of this SDS comply with OSHA Hazard Communication Standard CFR 1910.1200.

**OSHA Hazard Communication Standard (29 CFR 1910.1200)**

( X ) Hazardous ( ) Non- Hazardous

**SARA TITLE III**

Section 302/304  
Section 311/312  
Section 313

Extremely Hazardous Substances: No  
(40CFR370) Hazardous Categories: Acute  
Contains the following SARA 313 Toxic Release Chemicals: No

**CERCLA****CERCLA Regulatory**

None based on the information supplied.

**State Regulations****California Prop 65**

This product may contain the following ingredient(s) known to the state of California to cause cancer, birth defects or other reproductive harm: None based on the information supplied.

**Inventories**

Component	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Sodium Carbonate (497-19-8)	X	X	X	X	X	X	X	X
Sodium Hydroxide (1310-73-2)	X	X	X					

**16. OTHER INFORMATION****Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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